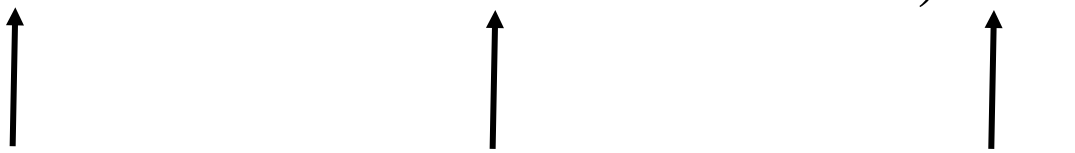
Dividend – The number in division that is being divided.

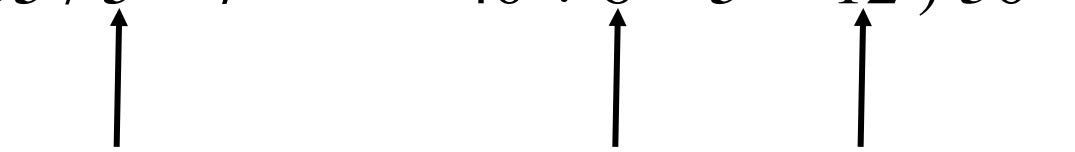
$35 / 5 = 7$ $40 \div 8 = 5$ $12 \overline{)\,36}$ (3)



dividend **dividend** **dividend**

Divisor – The number that divides another number in division.

$35 / 5 = 7$ $40 \div 8 = 5$ $12 \overline{)\,36}$ (3)



divisor **divisor** **divisor**

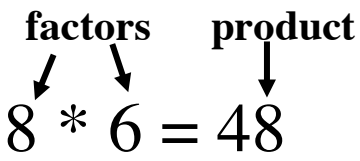
Fact Family – a set of related arithmetic facts linking two inverse operations

Fact Family	
5 * 7 = 35	**35 / 7 = 5**
7 * 5 = 35	**35 / 5 = 7**

Factor Pair – two factors of a counting number; a given number may have more than one factor pair

Factor Pairs of 18: 1 and 18
3 and 6
2 and 9

Factor – each of the two or more numbers in a product; as a verb, it also means to represent a number as a product of factors

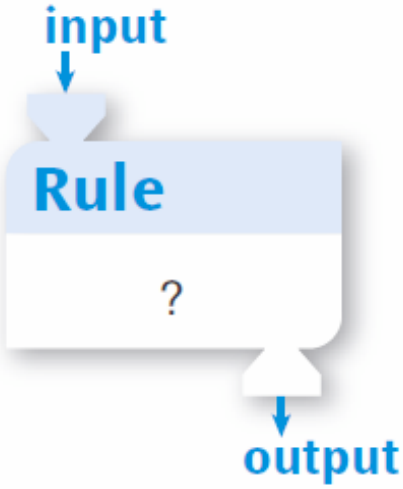


False number sentence – a number sentence that is not true!

5 + 5 = 15 – WRONG!

6 * 7 = 52 – NOT!

Function Machine – a problem in which two of the three parts of a function (input, output, and rule) are known, and the third is to be found out



in	out
4	2
7	5
12	10
8	

A "What's My Rule?" problem

Multiples – the product of an integer with another integer

Multiples of 7 = -14, -7, 0, 7, 14, 21, etc.

Multiplication Fact – the product of two 1-digit numbers

$$6 * 7 = 42$$

Number Sentence – two expressions with a relation symbol

$$5 + 5 = 10$$

$$2 - ? = 8$$

$$16 \leq a * b$$

$$A^2 + b^2 = c^2$$

Open Number Sentence – a number sentence with one or more variables; open sentences are neither true or false

$$9 + \_\_\_\_ = 15$$

$$? - 24 < 10$$

$$7 = x + y$$

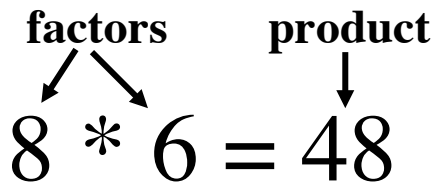
Parentheses –

$$(\quad)$$

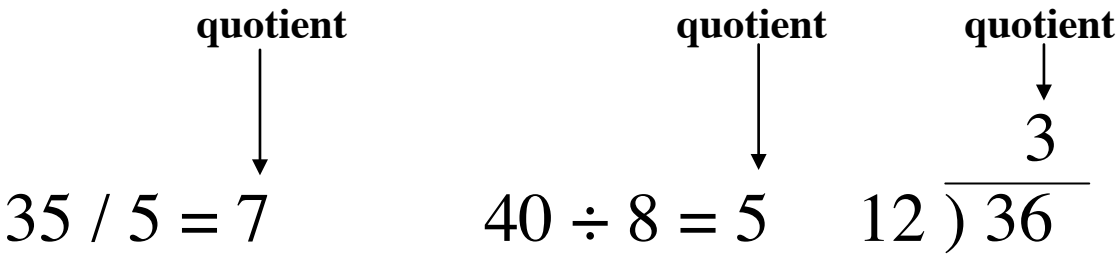
Percent – per hundred, for each hundred, or out of a hundred

$1\% = {}^{1}/_{100}$ $48\% =$ 48 out of 100

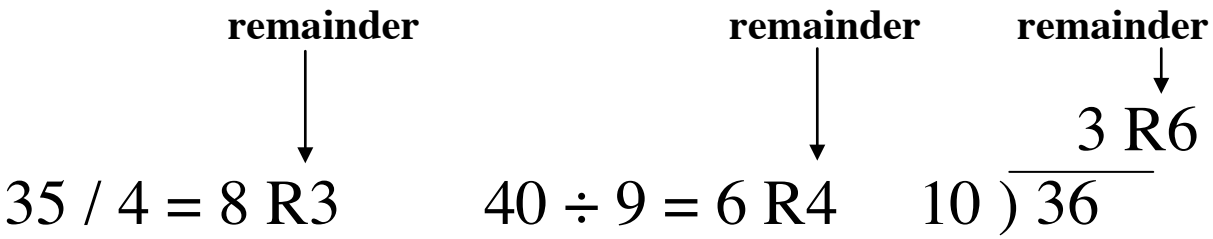
Product – the result of multiplying two numbers, called factors



Quotient – the result of dividing one number by another number. The "answer" for division



Remainder – the amount left over when one number is divided by another number.



Solution of an Open Sentence – a value or values for the variable(s) in an open sentence that make the sentence true

5 + 7 = n

Solution is n = 12

5 + g > 12

Solution is g = 8, 9, 10, 11 . . .

Square Number – figurative numbers that are the product of a counting number and itself

4 * 4 = 16

3 * 3 = 9

2 * 2 = 4

True Number Sentence – a number sentence stating a correct fact

75 = 25 + 50

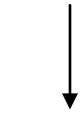
Turn-around Rule – a rule for solving addition and multiplication problems based on the Commutative Property

If you know 6 * 8 = 48, then you know 8 * 6 = 48

If you know 6 + 8 = 14, then you know 8 + 6 = 14

Variable – a letter or other symbol that represents a number. It can represent a single number or many different numbers.

variable



$5 + n = 9$

n can only be 4

variable

$x + 2 < 9$

x can be any number less than 7